

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01J9/24 H01J5/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01J F21V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 466 981 A (FIELDS ET AL) 14 November 1995 (1995-11-14) claim 4 column 3, lines 4-13 column 3, line 61 - column 4, line 4 figure 2	6,8 1
A	EP 0 465 198 A (GENERAL ELECTRIC COMPANY) 8 January 1992 (1992-01-08) figure 2	1,6
A	US 4 156 271 A (VERCELLOTTI, JOSEPH F) 22 May 1979 (1979-05-22) column 2, line 16 - column 3, line 9 figures 1,2	6-9

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *&* document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

10/06/2005

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5466981	A	14-11-1995	CA 2057719 A1	20-06-1992
			CN 1064565 A ,C	16-09-1992
			DE 69108203 D1	20-04-1995
			DE 69108203 T2	26-10-1995
			EP 0491432 A2	24-06-1992
			ES 2072535 T3	16-07-1995
			JP 2986992 B2	06-12-1999
			JP 4277464 A	02-10-1992
			KR 127100 Y1	15-10-1998
EP 0465198	A	08-01-1992	EP 0465198 A2	08-01-1992
			JP 4229949 A	19-08-1992
US 4156271	A	22-05-1979	CA 1085362 A1	09-09-1980
			JP 52134279 A	10-11-1977